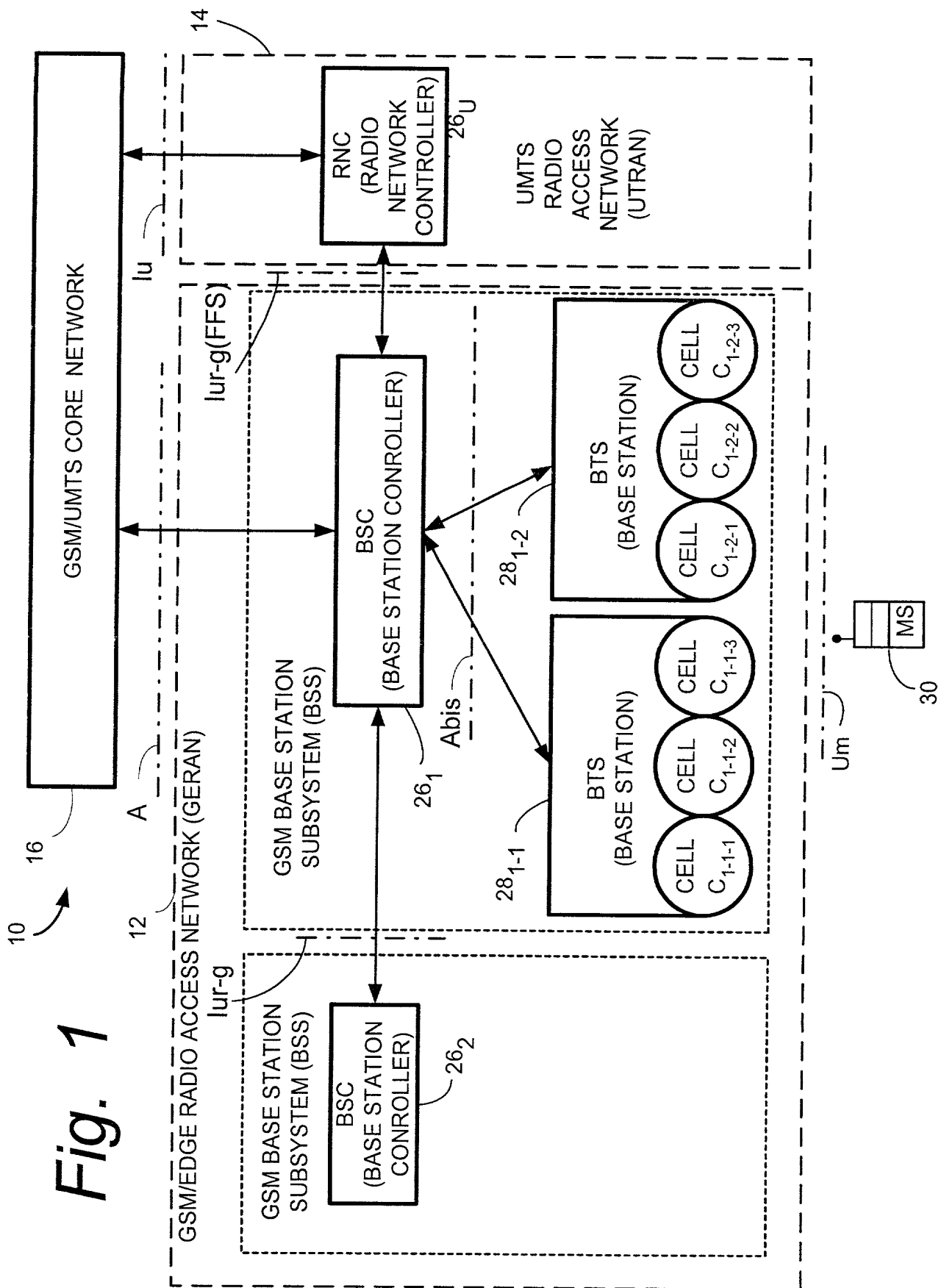


Fig. 1



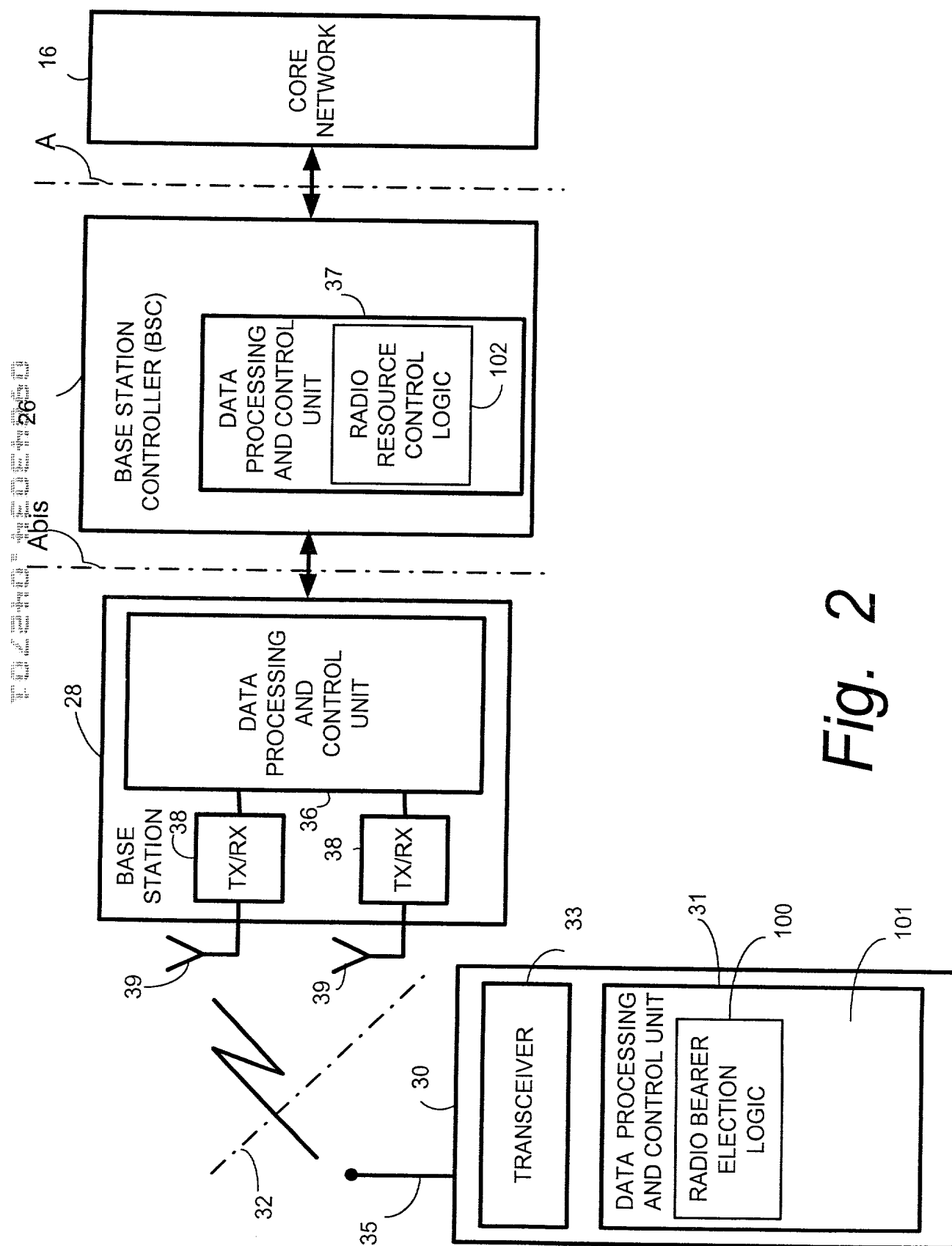


Fig. 2

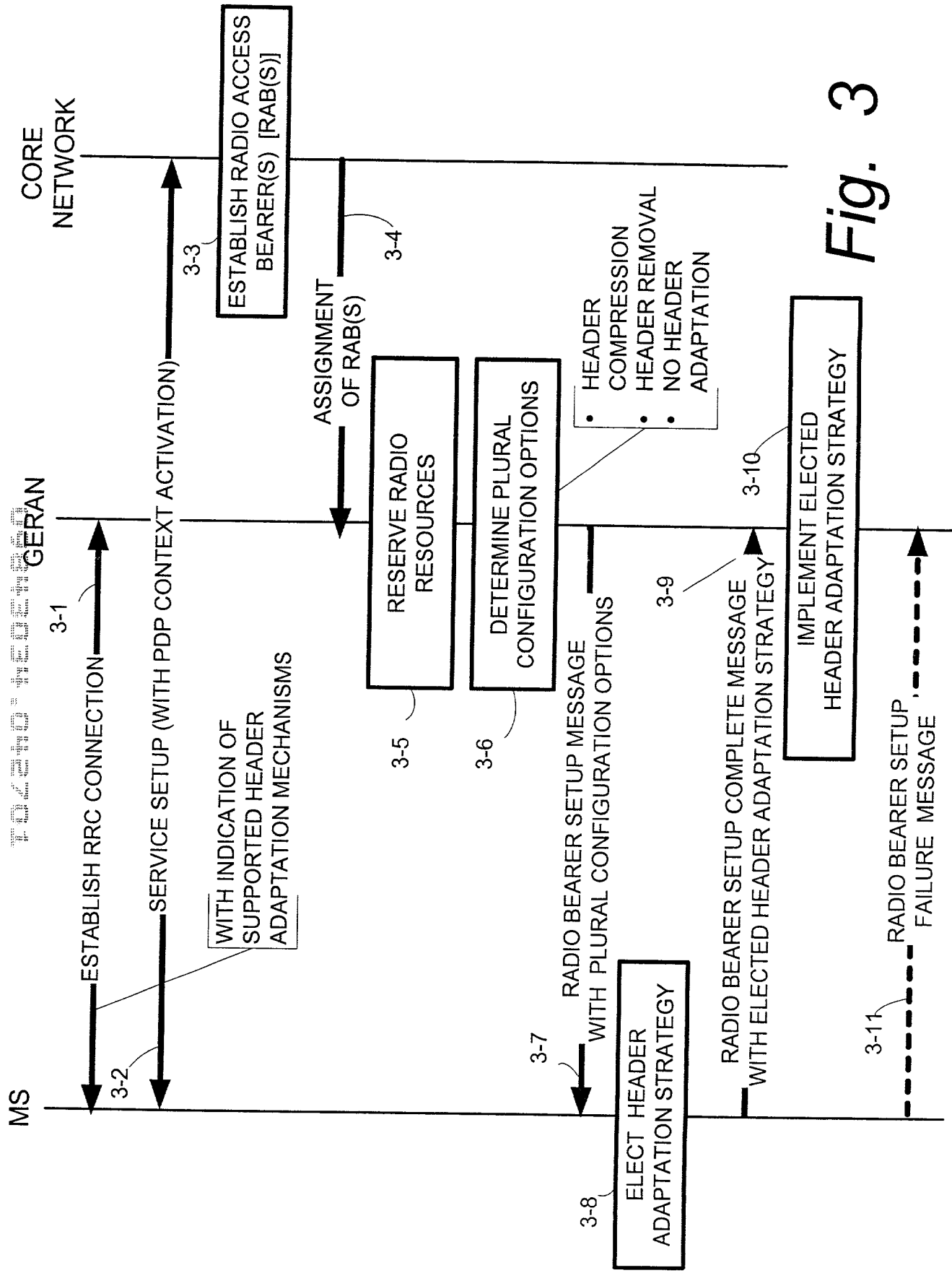


Fig. 3

Fig. 4A

RADIO BEARER SETUP MESSAGE

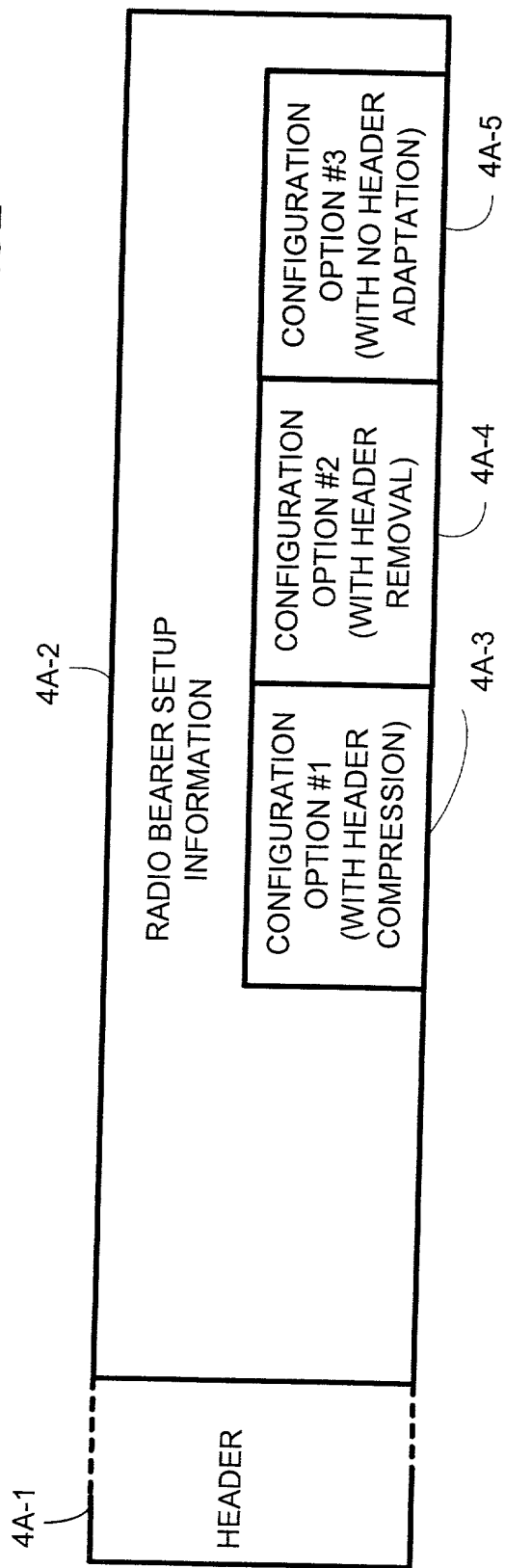


Fig. 4B

RADIO BEARER SETUP COMPLETE MESSAGE

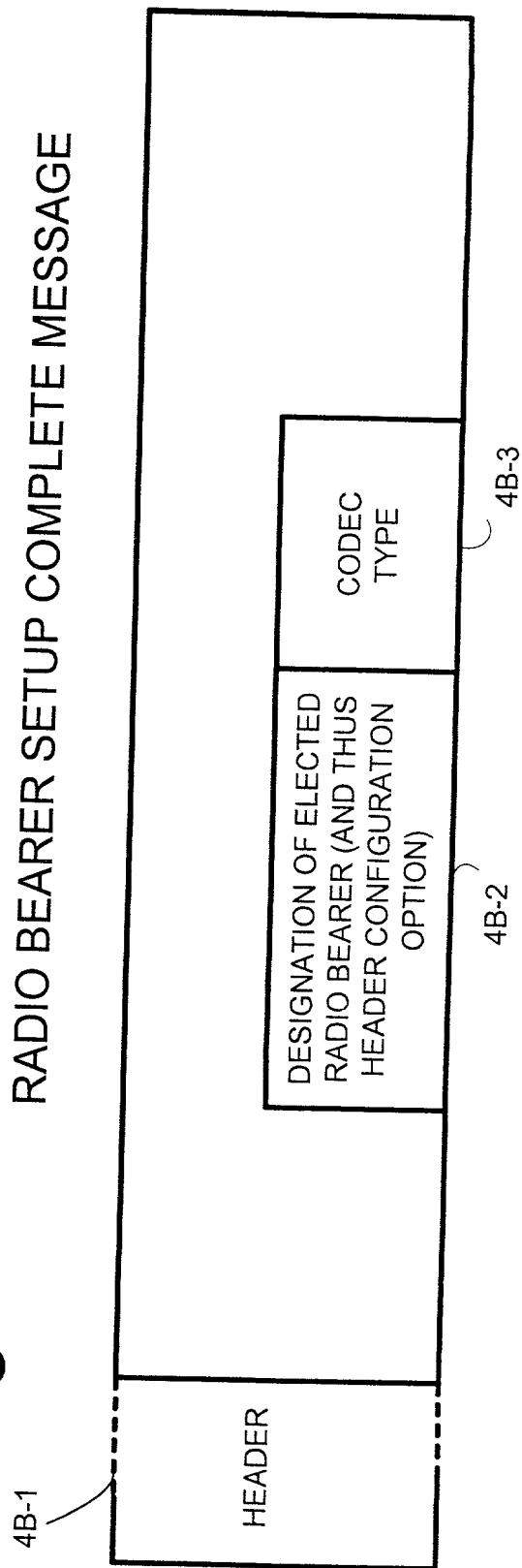


FIG. 5 is a block diagram of a mobile communication system architecture. The system includes a Mobile Switching Center (MSC) 528₁ and a Data Network(S) 522. The MSC 528₁ is connected to a Serving General Packet Radio Service (GPRS) Support [SGSN] 524₁ via a MAP-A interface. The Data Network(S) 522 is connected to a Gateway General Packet Radio Service (GPRS) Support Node [GGSN] 520. The SGSN 524₁ and GGSN 520 are connected via a Gn interface. The SGSN 524₁ is also connected to a Serving General Packet Radio Service (GPRS) Support [SGSN] 524₂ via a Gn interface. The SGSN 524₂ is connected to the Data Network(S) 522 via a Gn interface. The SGSN 524₁ is connected to a GSM/EDGE Radio Access Network (GERAN) 530₁ via a MAP-A interface. The GERAN 530₁ includes a Base Station System (BSS) 26, which consists of a Base Station Controller (BSC) 26 and three Base Stations (BS) 28. The GERAN 530₁ is connected to a Mobile Station (MS) 30 via a U_m interface. The SGSN 524₂ is connected to a UMTS Radio Access Network (UTRAN) 530₂ via an I_u interface. The UTRAN 530₂ includes a Radio Network Subsystem (RNS) 26_u, which consists of a Base Station Controller (BSC) 26_u and three Node Bs 28_u. A dashed arrow indicates a connection from the MS 30 to the UTRAN 530₂.

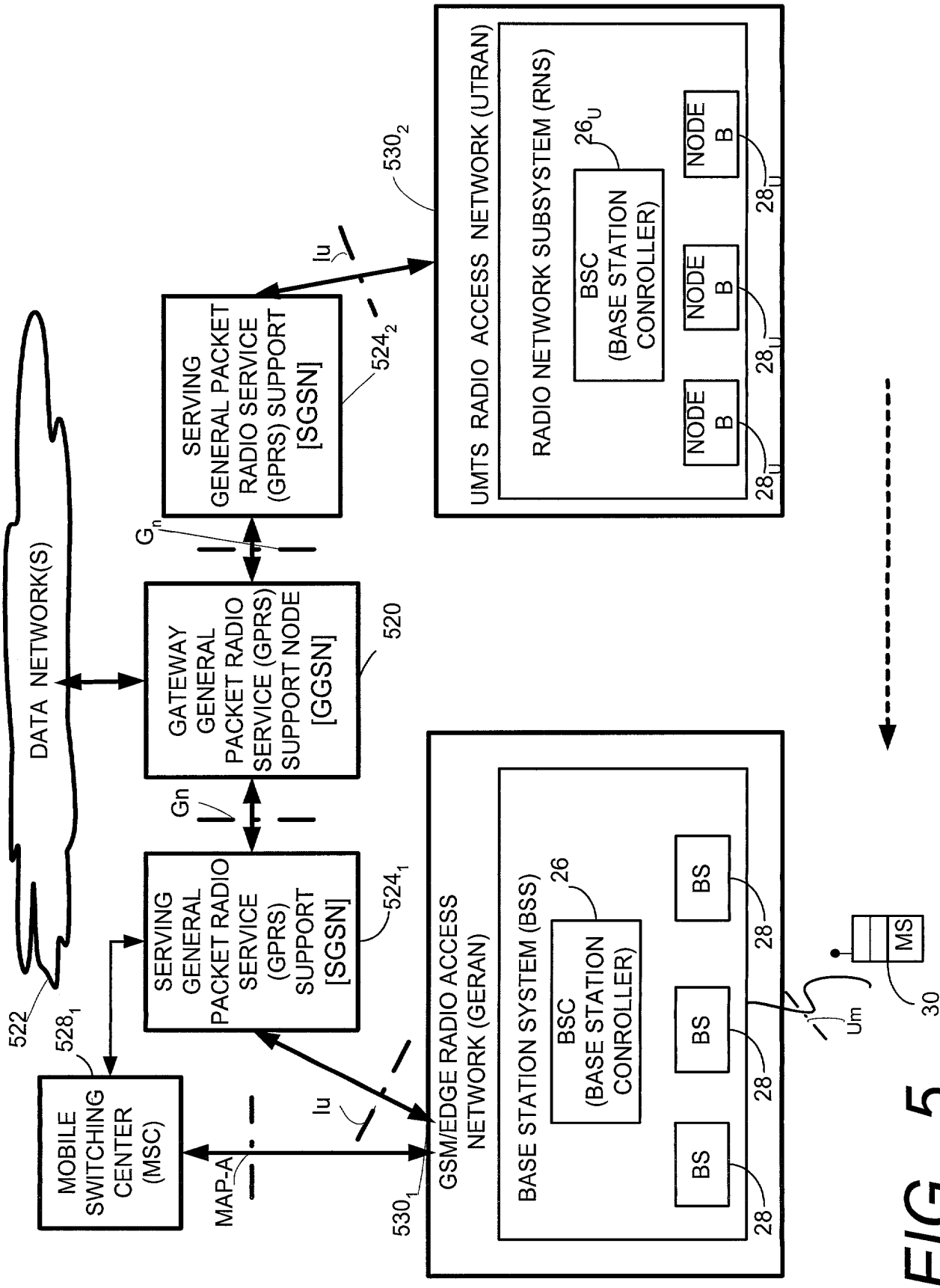


FIG 5

Fig. 6

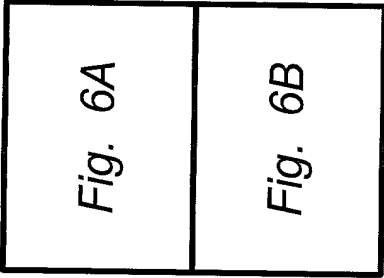


FIG. 6A

Fig. 7A

TYPICAL IP PACKET

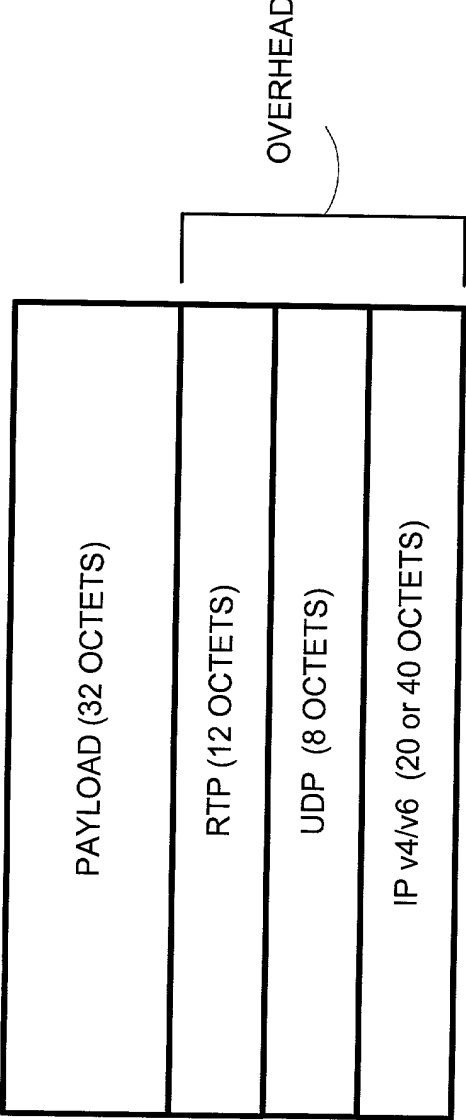
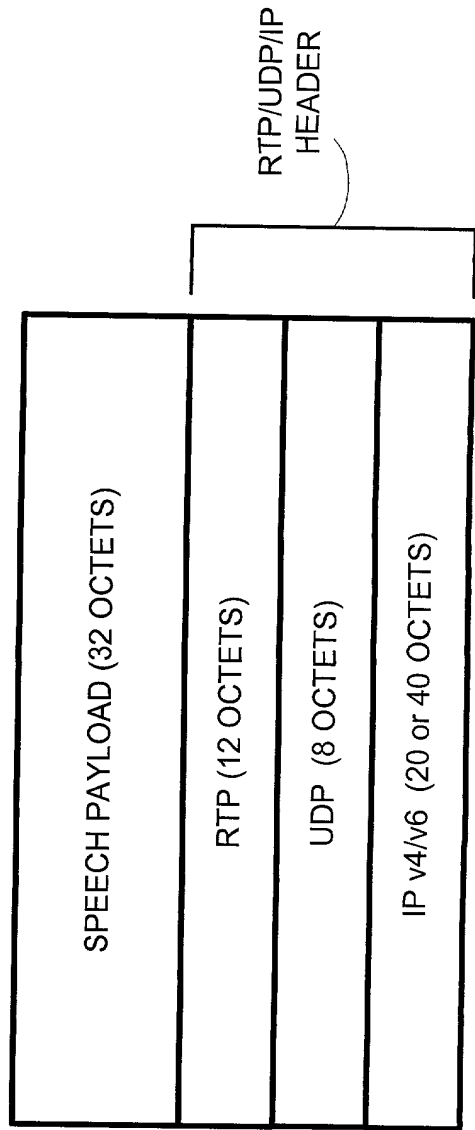


Fig. 7B

TYPICAL IP PACKET
FOR SPEECH



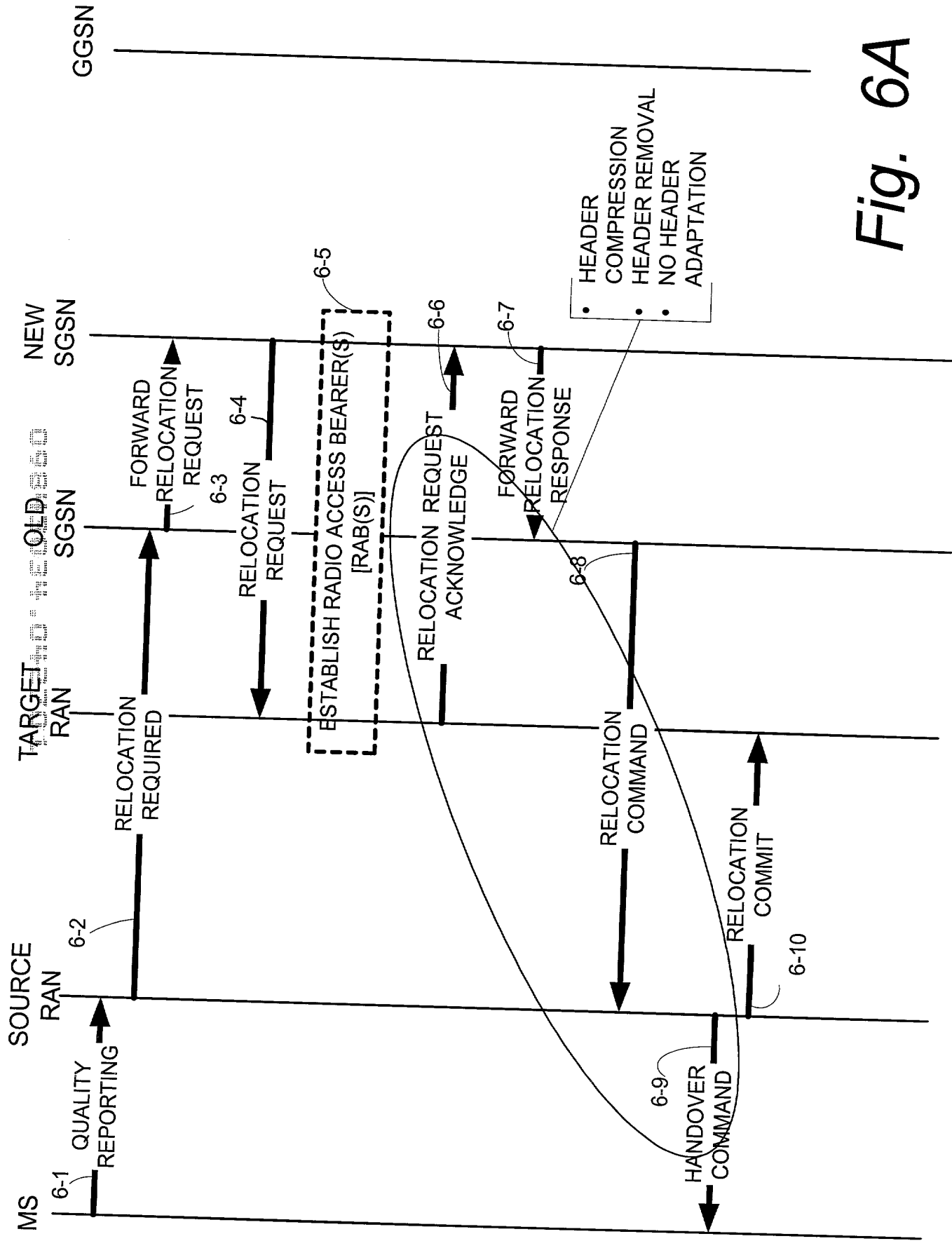


Fig. 6A

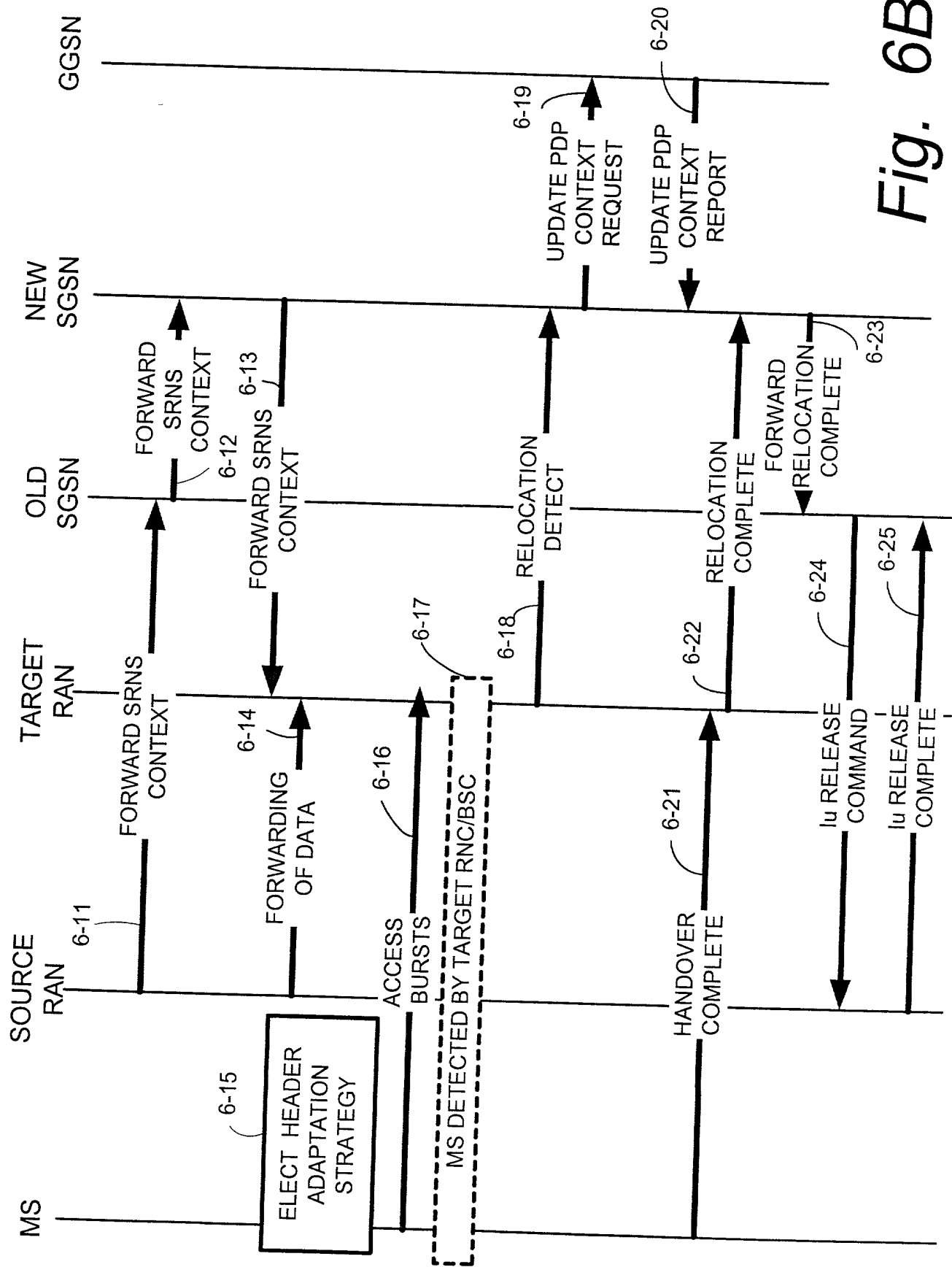


Fig. 6B